

Serial No. 10/716,756

In the Claims:

Please amend the claims as follows:

1. (currently amended) A lighting assembly comprising:
 - a circuit mounting board having an upper surface side and a lower surface side;
 - a solid state lighting element having an output end and first and second contact leads extending therefrom, said lighting element mounted to said upper surface side of said circuit mounting board;
 - a first electrical contact formed on said upper surface side of said circuit mounting board concentric to said lighting element, said first electrical contact in thermal and electrical communication with said first contact lead of said lighting element;
 - a second electrical contact on said circuit mounting board in electrical communication with said second contact lead of said lighting element; and
 - a receiver sleeve having a tail section at one end thereof, said receiver sleeve being electrically and thermally conductive, said tail section being received around said output end of said lighting element, making electrical and thermal contact with said first electrical contact on said circuit board to provide both a thermally conductive path to dissipate heat from said lighting element and an electrically conductive path to said first electrical contact.
2. (original) The lighting assembly of claim 1 wherein said lighting element is a light emitting diode.
3. (original) The lighting assembly of claim 1, wherein said tail portion of said receiver sleeve surrounds said output end of said lighting element providing a thermal barrier to absorb radiant heat from said lighting element.
4. (currently amended) The lighting element of claim 1, said circuit mounting board further comprising:
 - control circuitry mounted on the upper surface side thereof adjacent said lighting element, said control circuitry in electrical communication with said second

Serial No. 10/716,756

contact lead of said lighting element and said second contact on said circuit mounting board.

5. (original) The lighting assembly of claim 4, wherein said tail portion of said receiver sleeve surrounds said output end of said lighting element providing a thermal barrier to absorb radiant heat from said lighting element and conduct said heat away from said control circuitry.

6. (original) The lighting assembly of claim 1, said receiver sleeve further comprising:

a second end opposite said tail portion; and

means for controlling the light output from the output end of said lighting element, said means coupled to said second end of said receiver.

7. (currently amended) The lighting assembly of claim 6, further comprising:

a tubular housing, said housing being electrically and thermally conductive, said circuit mounting board, lighting element and receiver sleeve received in one end thereof, said receiver sleeve in electrical and thermal communication with said tubular housing.

8. (currently amended) The lighting assembly of claim 1, further comprising:

a tubular housing, said housing being electrically and thermally conductive, said circuit mounting board, lighting element and receiver sleeve received in one end thereof, said receiver sleeve in electrical and thermal communication with said tubular housing.

9. (currently amended) A lighting assembly comprising:

a circuit mounting board having an upper surface side and a lower surface side;

a solid state lighting element having an output end and first and second contact leads extending therefrom, said lighting element mounted to said upper surface side of said circuit mounting board;

a first electrical contact formed on said upper surface side of said circuit mounting board concentric to said lighting element, said first electrical contact in thermal and electrical communication with said first contact lead of said lighting element;

Serial No. 10/716,756

a second electrical contact on said circuit mounting board in electrical communication with said second contact lead of said lighting element;

a receiver sleeve having a tail portion at one end thereof, said receiver sleeve being electrically and thermally conductive, said tail portion being received around said output end of said lighting element, making electrical and thermal contact with said first electrical contact on said circuit board to provide both a thermally conductive path to dissipate heat from said lighting element and an electrically conductive path to said first electrical contact;

a tubular housing, said housing being electrically and thermally conductive, said circuit mounting board, lighting element and receiver sleeve received in one end thereof, said receiver sleeve in electrical and thermal communication with said tubular housing.

10. (original) The lighting assembly of claim 9 wherein said lighting element is a light emitting diode.

11. (original) The lighting assembly of claim 9, wherein said tail portion of said receiver sleeve surrounds said output end of said lighting element providing a thermal barrier to absorb radiant heat from said lighting element.

12. (newly added) A lighting assembly comprising:

a circuit board having an upper surface and a lower surface;

a solid state lighting element having an output end and first and second contact leads extending therefrom, said lighting element mounted to said upper surface of said circuit board;

a first electrical contact formed on said upper surface of said circuit board adjacent said lighting element, said first electrical contact in electrical communication with said first contact lead of said lighting element;

a second electrical contact on said circuit board in electrical communication with said second contact lead of said lighting element;

a receiver sleeve having a tail portion at one end thereof, said receiver sleeve being thermally conductive, said tail portion being received around said output end of

Serial No. 10/716,756

said lighting element, to provide a thermally conductive path to dissipate heat from said lighting element; and

a tubular housing, said housing being electrically and thermally conductive, said circuit board, lighting element and receiver sleeve received in one end thereof, said first electrical contact in electrical communication with said tubular housing and said receiver sleeve in thermal communication with said tubular housing.

13. (newly added) The lighting assembly of claim 12, wherein said tail portion of said receiver sleeve surrounds said output end of said lighting element providing a thermal barrier to absorb radiant heat from said lighting element.

14. (newly added) The lighting element of claim 12, said circuit board further comprising:

control circuitry mounted on the upper surface thereof adjacent said lighting element, said control circuitry in electrical communication with said second contact lead of said lighting element and said second contact on said circuit board.

15. (newly added) The lighting assembly of claim 14, wherein said tail portion of said receiver sleeve surrounds said output end of said lighting element providing a thermal barrier to absorb radiant heat from said lighting element and conduct said heat away from said control circuitry.

16. (newly added) The lighting assembly of claim 12, said receiver sleeve further comprising:

a second end opposite said tail portion; and

means for controlling the light output from the output end of said lighting element, said means coupled to said second end of said receiver.